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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,870	06/28/2006	Soitsu Sasaki	36856.1460	1722

54066 7590 05/30/2008
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EXAMINER

LE, DON P

ART UNIT	PAPER NUMBER
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2819

NOTIFICATION DATE	DELIVERY MODE
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05/30/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/596,870	Applicant(s) SASAKI ET AL.	
	Examiner Don P. Le	Art Unit 2819	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 28 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-28 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10-15 and 23-28 is/are allowed.
- 6) ☒ Claim(s) 16 and 19-21 is/are rejected.
- 7) ☒ Claim(s) 17, 18 and 22 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>4/30/2007, 6/28/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 16 and 19-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Naoto et al (JP 11-205063).

3. With respect to claim 16, figure 2 and 4 of Naoto teach a noise filter for removing noise flowing in a signal wire located on a circuit board, the noise filter comprising:

an insulator (11);

a pair of external electrodes (12s) that are connected to the signal wire and are disposed on an outside of the insulator;

a plurality of coils (14s) connected in series, disposed inside of the insulator, and having both ends thereof electrically connected to the external electrodes, respectively; and

a capacitor (16) connected in parallel to at least one of the plurality of coils; wherein each of the plurality of coils includes a plurality of coil conductors disposed in the insulator, the plurality of coil conductors being arranged in a spiral configuration and connected to each other through a via hole; and

the capacitor includes the plurality of coil conductors and a capacitance-forming electrode arranged so as to be opposed to each other through the insulator, the capacitance-forming electrode being electrically connected to one of the pair of external electrodes (figure 2 discloses a plurality of figure 3 is series, shows capacitors oppose each other).

4. With respect to claims 19 and 20, the function as claimed is inherent in the apparatus of Naoto given the circuitry is the same as applicant.

5. With respect to claim 21, figure 2 of Naoto teaches an array arrangement.

Allowable Subject Matter

6. Claims 10-15 and 23-28 are allowed.

7. Claims 17, 18 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. The following is an examiner's statement of reasons for allowance:

with respect to claims 1, 17 and 23, in addition to other elements in the respective claims, the prior art does not teach a capacitor includes a shield electrode and a capacitance-forming electrode opposed to each other through an insulator, the shield electrode being located between upstream and downstream coils of a plurality of coils and commonly electrically connected to both the upstream and downstream coils, the capacitance-forming electrode being electrically connected to one of a pair of external electrodes.

with respect to claim 22, the prior art does not teach wherein connecting points between plurality of coils provided for each of signal wires are commonly connected together in an ungrounded state via a noise dispersing capacitor

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Don P. Le whose telephone number is 571-272-1806. The examiner can normally be reached on 7AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Barnie Rexford can be reached on 571-272-1812. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Don P Le/
Primary Examiner, Art Unit 2819

5/25/2008